



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/019,098 04/04/2002		04/04/2002	Ernst Hafen	27656/38053	1907
4743	7590 04/14/2005 .			EXAMINER	
	•	STEIN & BOR	NGUYEN, DA	NGUYEN, DAVE TRONG	
6300 SEARS 233 S. WAC		=	ART UNIT	PAPER NUMBER	
CHICAGO, IL 60606				1632	

DATE MAILED: 04/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



Notice of Abandonment Application No. Application No. Application No. 10/019,098 HAFEN, ERNST Examiner Art Unit 1632								
Examiner Dave T. Nguyen 1632 The MAILING DATE of this communication appears on the cover sheet with the correspondence address— This application is abandoned in view of:		Application No.	Applicant(s)					
Examiner Dave T. Nguyen 1632 The MAILING DATE of this communication appears on the cover sheet with the correspondence address— This application is abandoned in view of:	Matica of Abandanment	10/019,098	HAFEN, ERNST					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address— This application is abandoned in view of: 1. ☑ Applicant's failure to timely file a proper reply to the Office letter mailed on 24 March 2004. (a) ☐ A reply was received on	Notice of Abandonment							
The MAILING DATE of this communication appears on the cover sheet with the correspondence address— This application is abandoned in view of: 1. ☑ Applicant's failure to timely file a proper reply to the Office letter mailed on 24 March 2004. (a) ☐ A reply was received on		Dave T. Nguven	1632					
1. ☑ Applicant's failure to timely file a proper reply to the Office letter mailed on 24 March 2004. (a) ☐ A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on, which is after the expiration of the period for reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☑ No reply has been received. 2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85). (a) ☐ The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85). (b) ☐ The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) ☐ The issue fee required by 37 CFR 1.18 is \$ the publication fee, if applicable, has not been received. 3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a) ☐ Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period	The MAILING DATE of this communication app							
(a)A reply was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on (b)A proposed reply was received on but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance: (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. (c)A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ☑ No reply has been received. 2Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85). (a)The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85). (b)The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the three-month period set in, the Notice of Allowance (PTOL-85). (c)The issue fee and publication fee, if applicable, has not been received. 3Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a)Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated	This application is abandoned in view of:							
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.187 (CPR 1.187) (CPR 1.1	(a) ☐ A reply was received on (with a Certificate of N period for reply (including a total extension of time of	lailing or Transmission dated month(s)) which expired on	<u> </u>					
application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114). (c)			•					
final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below). (d) ⊠ No reply has been received. 2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85). (a) ☐ The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85). (b) ☐ The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) ☐ The issue fee and publication fee, if applicable, has not been received. 3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a) ☐ Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. (b) ☐ No corrected drawings have been received. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. ☐ The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. ☐ The reason(s) below. Called applicants, applicant did not file a response and/or file an extension of time, so case abandoned	application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for							
2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85). (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85). (b) The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) The issue fee and publication fee, if applicable, has not been received. 3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. (b) No corrected drawings have been received. 5. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. 5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. 5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. 5. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. 6. The reason(s) below: Called applicants, applicant did not file a response and/or file an extension of time, so case abandoned	(c) A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).							
from the mailing date of the Notice of Allowance (PTOL-85). (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85). (b) The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) The issue fee and publication fee, if applicable, has not been received. 3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. (b) No corrected drawings have been received. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.	(d) ☑ No reply has been received.							
The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) The issue fee and publication fee, if applicable, has not been received. 3 Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. (b) No corrected drawings have been received. 1 The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. 5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filling of a continuing application. 6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. 7. The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned), which is after the expiration of the statutory pe	received on (with a Certification and for payment of the issue fee (and	ate of Mailing or Transmission dated and publication fee) set in the Notice of					
(c) The issue fee and publication fee, if applicable, has not been received. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. (b) No corrected drawings have been received. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. The reason(s) below:	(b) ☐ The submitted fee of \$ is insufficient. A balance of \$ is due.							
3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37). (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. (b) No corrected drawings have been received. 5. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. 5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. 5. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. 7. ★ The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned	The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$							
Allowability (PTO-37). (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply. (b) No corrected drawings have been received. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned	(c) ☐ The issue fee and publication fee, if applicable, has not been received.							
after the expiration of the period for reply. (b) No corrected drawings have been received. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned	Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).							
The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned	(a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.							
the applicants. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned	(b) ☐ No corrected drawings have been received.							
1.34(a)) upon the filing of a continuing application. 5. ☐ The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims. 7. ☑ The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned DAVE TRONG NGLIVEN.		attorney or agent of record, the assi	gnee of the entire interest, or all of					
of the decision has expired and there are no allowed claims. 7. The reason(s) below: called applicants, applicant did not file a response and/or file an extension of time, so case abandoned DAVE TRONG NGLIVEN.	 The letter of express abandonment which is signed by an 1.34(a)) upon the filing of a continuing application. 	attorney or agent (acting in a represe	entative capacity under 37 CFR					
called applicants, applicant did not file a response and/or file an extension of time, so case abandoned DAVE TRONG NGLIVEN	 The decision by the Board of Patent Appeals and Interference of the decision has expired and there are no allowed claim 	ence rendered on and becaus ns.	e the period for seeking court review					
DAVE TRONG NGLIVEN	7. 🛭 The reason(s) below:							
DAVE TRONG NGUYEN PRIMARY EXAMINER	called applicants, applicant did not file a response a	nd/or file an extension of time, so	case abandoned					
DAVETRONG NGUYEN PRIMARY EXAMINER	Dar							
		DAVE PRIM	TRONG NGUYEN ARY EXAMINER					

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

U.S. Patent and Trademark Office
PTOL-1432 (Rev. 04-01)

Notice of Abandonment

Part of Paper No. 41205